

1 **(August 1, 2005)**

2 **Shotcrete Facing**

3 Portland cement shall be Type I or II in accordance with Section 9-01.2(1).

4

5 Air entrainment shall be 6.0 percent, \pm 1.5 percent.

6

7 Water for mixing and curing shall be clean and free from substances which may be
8 injurious to concrete or steel, and shall be free of elements which would cause staining.

9

10 Aggregate for shotcrete shall meet the following gradation requirements:

11

12	<u>Sieve Size</u>	<u>Percent Passing by Weight</u>
13		
14	1/2 inch	100
15	3/8 inch	90 to 100
16	U.S. No. 4	70 to 85
17	U.S. No. 8	50 to 70
18	U.S. No. 16	35 to 55
19	U.S. No. 30	20 to 35
20	U.S. No. 50	8 to 20
21	U.S. No. 100	2 to 10
22	U.S. No. 200	0 to 2.5